

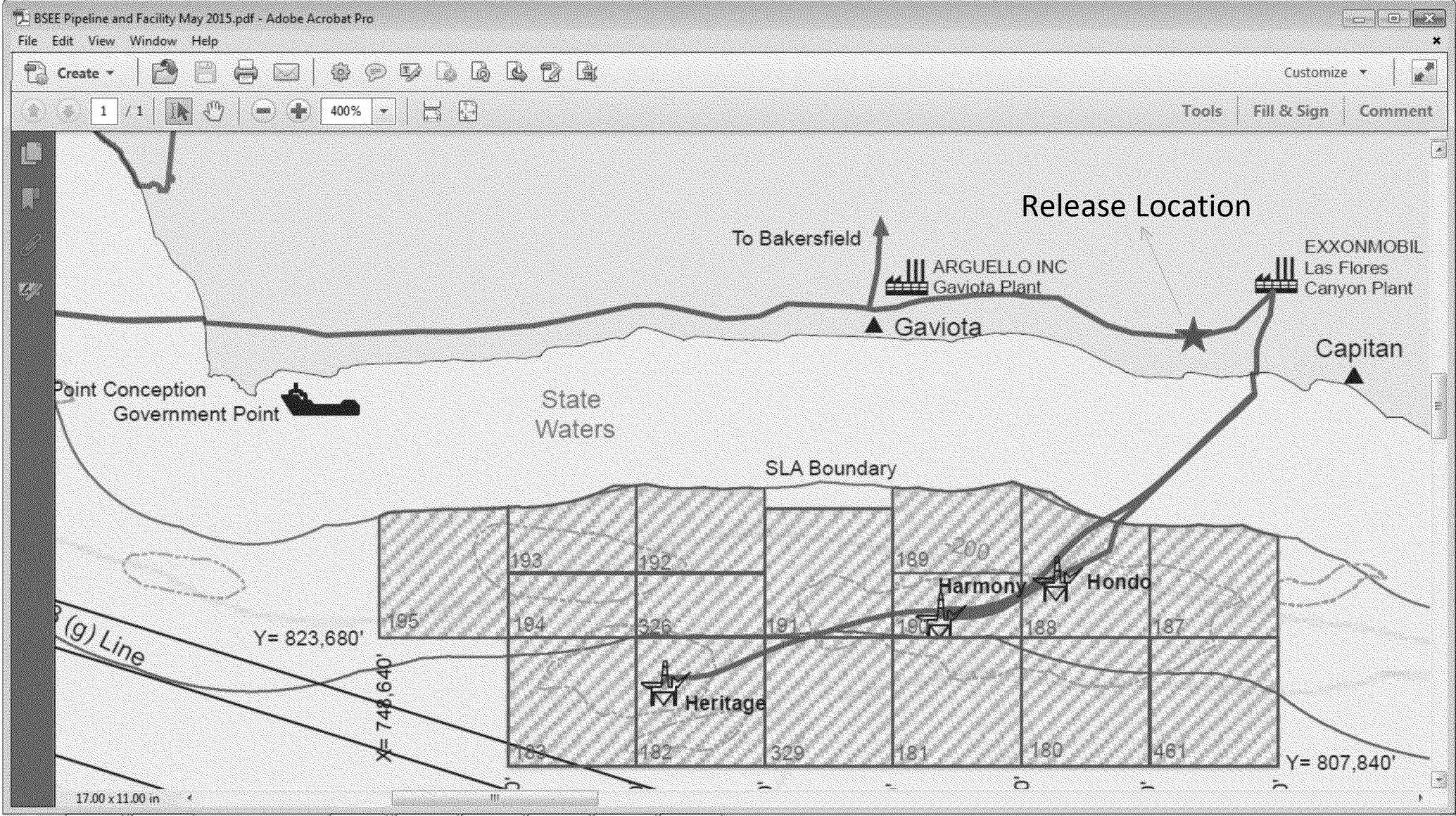
# Refugio Incident



Santa Barbara County, California

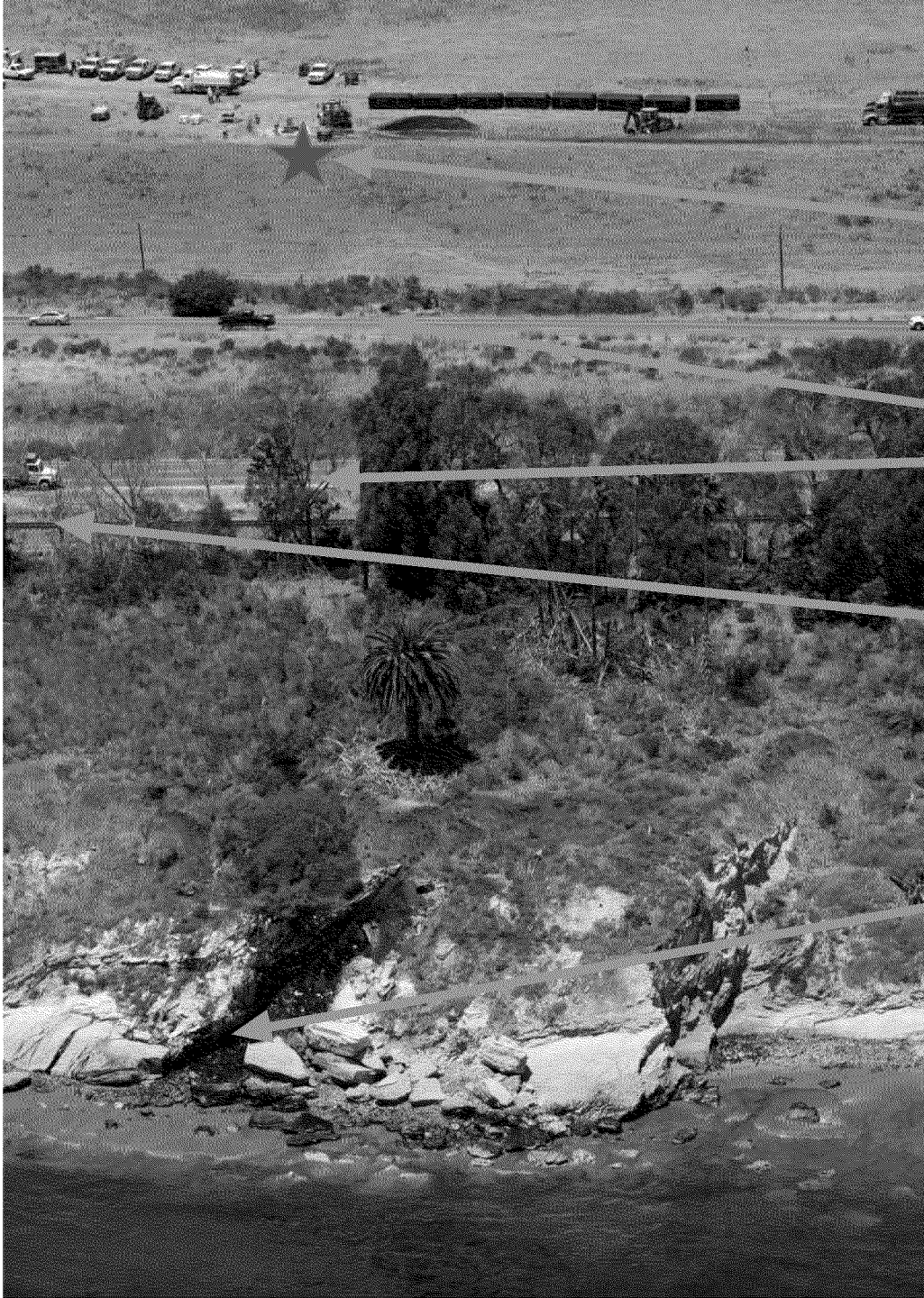
May 27, 2015, 1400hrs

# Oil Production, Transportation, and Refining Facilities, Santa Barbara County





# Oil Release ~ 1300hrs on May 19, 2015



Location of release

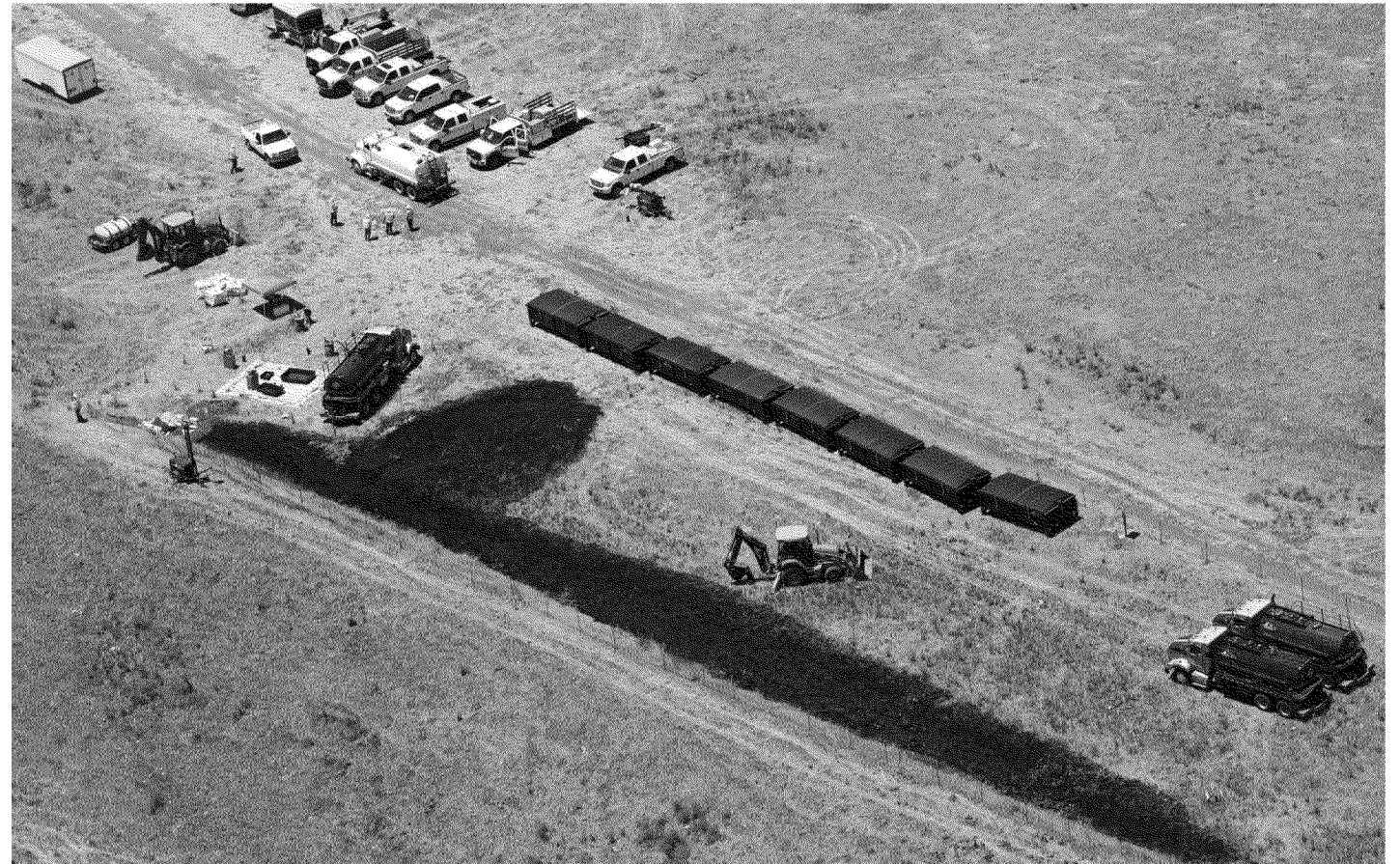
Highway 101

Union Pacific RR

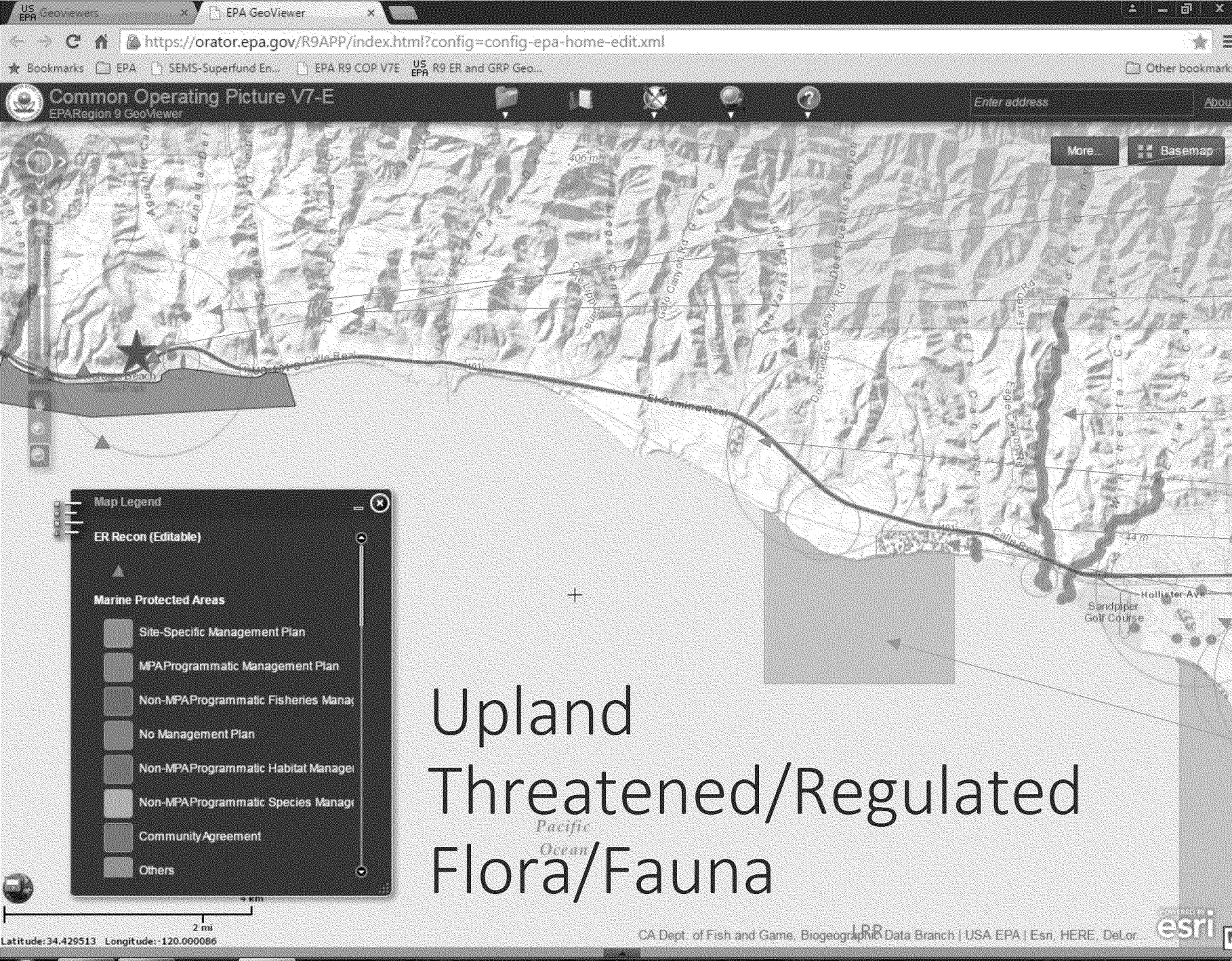
Culvert leading to Refugio  
State Park Beach

Release point to the ocean is at the Northwest end of Refugio State Park in Santa Barbara County, California

Initial estimates suggested about 21K gallons of crude oil were released to the ocean, however the total quantity released both inland, on the beaches and into the ocean could be as high as 100K gallons.







Oil Spill Release Location

America Badger

California Red Legged Frog

Tidewater Gobi

Monarch Butterfly

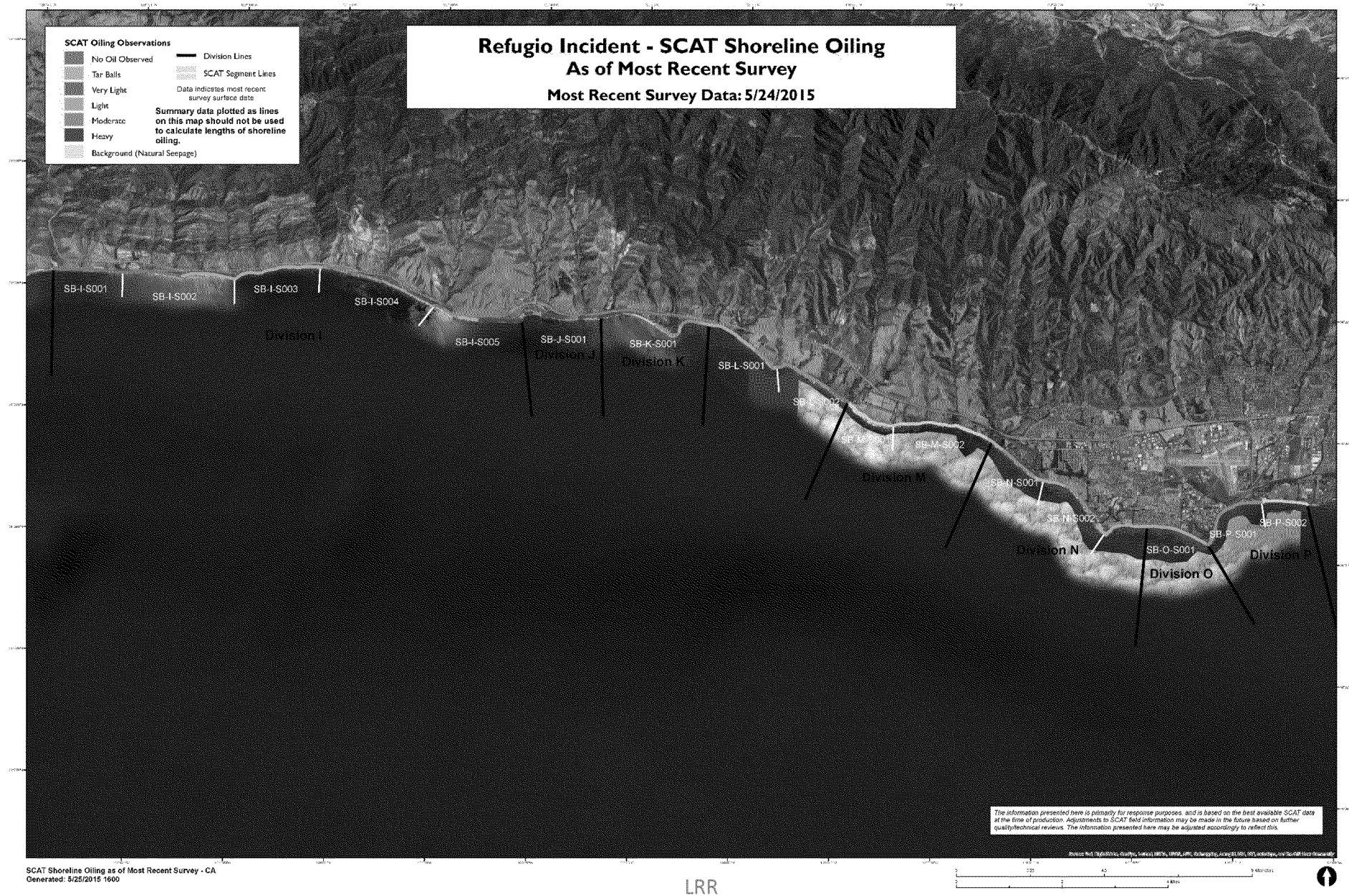
Ferruginous Hawk

Southern Tarplant

Santa Barbara Morning Glory

Marine Protected Areas

Approximately 16.5 miles of total shoreline has been impacted by oil. Oil has coated cobble, riprap, rocks and sand beaches.





# Faunal Impacts



	TOTAL Birds			TOTAL Mammals		
Date	Live	Dead	Date Totals	Live	Dead	Date Totals
26-May-15	8	3	11	0	1	1
Cumulative Total	33	16	49	18	9	27

# Response Efforts

## *Onshore:*

Task forces conducted manual and light mechanical removal of oil waste.

Culvert cleanup plan is included in the ICS 204 and should begin tomorrow. Last hurdle is having state park, tribal and an archeologist on site to do oversight while we excavate.

We completed water sampling Monday. Water analyses are not validated; fluorometry work is also ongoing.

Location	Oiled Soil Removed (cubic yds)	Oiled Sand Removed (cubic yds)	Oiled Vegetation Removed (cubic yds)	Oiled PPE Removed (cubic yds)
El Capitan	0	2	1	2
Discharge Site	440	0	0	0
Venadito	0	0	0	0
Tijiagus	0	10	3	3
Coal Oil Point	0	3	4.5	0
Refugio	0	0	10	0
Arroyo Quemada	0	0	6.5	0
Los Flores	0	0	6	0
Total	440	15	35	5





# Response Efforts



## ***Shoreline:***

Five SCAT teams [should be four tomorrow] have reported oiled beach between Arroyo Hondo (west) and Campus Point (east). Mostly light oiling and most areas are under 30% coverage.

There are 656 contractors conducting shoreline cleanup of oiled debris or performing other functions in the field.

The following has been reported removed by six field observer teams: 440 cubic yards of oiled soil (44 half full roll offs), 15 cubic yards of oiled sand, 35 cubic yards of oiled vegetation, and five cubic yards of oiled PPE.

An estimated 500-600 bbls of product have been pumped from the pipeline in total.

Twelve sites have been identified as sensitive by the Area Contingency Plan (ACP); all are being maintained in accordance with the ACP from Gaviota to Coal Oil Point.



# Response Efforts

## *Offshore:*

Since initial notification, roughly 10,060 gallons of oily water has been recovered. Eighteen vessels and crane barge with tug were on the water performing booming operations (with both hard and sorbent boom) and skimming operations. Oily water mixture collection was negligible today.

The on water recovery group has deployed 6000 ft of hard and sorbent boom.

A total of 10080 ft of boom has been assigned/deployed.



# Security

- Extra security has been hired for the Incident Command Post.



# Coast Guard Supporting Unit Summary (Coastal Jurisdiction)



FOSC (Coastal): CAPT Jennifer Williams

UC Staffed with and supported by CG from:

Sector LA/LB

PST,

CG-IMAT

D11

D13

NPFC

PIAT

PACAREA



# EPA Support/Responders (Inland Jurisdiction)



- Michelle Rogow Incident Commander, Unified Command
- Steve Calanog Deputy Incident Commander, Unified Command
- Maggie Waldon Branch Director
- Donn Zuroski Deputy Branch Director
- Nahal Mogharabi PIO, Joint Information Center
- Sara Cafasso PIO, Joint Information Center
- Ned Black Environmental Unit

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- Lance Richman EPA REOC SITL (San Francisco)

# Path Forward



USFWS is digging trenches on the beach to sample seawater for toxicity analyses.

USFWS has requesting from the NPFC to support their work.

USFWS continues to undertake NRDA assessment work and appreciates the close coordination with the other agencies.

There is a stakeholder round table at 1600 today with 13 individual stakeholder reps. Steve Calanog and Sara Cafasso will attend.

At the press event the EPA Regional Administrator was joined by Chuck Bonham, Dir of Fish and Wildlife, FOSC Jennifer Williams and FOSC Michelle Rogow and Salud Carbahal.

# END

